

```

Gencore version 4.5
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4 nucleic - nucleic search, using sw model
                                         August 16, 2002, 11:42:35 ; Search time 1709.23 Seconds
                                         (without alignments)
                                         2155.748 Million cell updates/sec

Title: US-09-761-579-2_COPY_1200_1472
       273
       1 ctaccacatctactccacgccccccccccccc.....agatgaatttttgagtgtttt 273

Score: Perfect score: 273
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Table: Identity NUC
       Gapop 10.0 , Gapext 1.0

Search: 13736207 seqs, 6748477542 residues
       :al number of hits satisfying chosen parameters: 27472414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

EST: *
Database :

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3	273	100_0	454	9	AA149934	
4	273	100_0	456	9	AA639433	
5	273	100_0	456	9	AI799955	
6	273	100_0	463	9	BE222568	
7	273	100_0	478	9	AA993771	
8	273	100_0	484	9	AI493781	
9	273	100_0	485	9	AA614036	
10	273	100_0	495	9	AI28322	qu13f08.x
11	273	100_0	497	9	AA687237	qu13f08.x
12	273	100_0	503	9	AA847355	dv61908.s
13	273	100_0	512	9	AI313205	ce82c07.s
14	273	100_0	519	10	BE672988	qp87bd02.x
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c	23	273	100.0	687	9	A1571230	ta43111.x
c	24	273	100.0	718	9	AI701048	AT1048 wc78006.x
c	25	273	100.0	784	9	AI151153	AI151153
c	26	273	100.0	810	9	AW057819	qC7109.15x
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ALIGNMENTS

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				DEHYDROGENASE E1	COMPONENT,	ALPHA SUBUNIT, SOMATIC (HUMAN); mRNA
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VERSION						
KEYWORDS						
SOURCE	human.					
ORGANISM	Homo sapiens					
MATERIAL	Karyotype; Metzoa; Chordata; Craniata; Vertebrata; Buteleostomi;					
MATERIAL	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					
REFERENCE	1 (bases 1 to 413)					
AUTHORS	Hillier, L., Leonnig, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., Dubuque, T., Favello, A., Gish, W., Hawkins, M., Holtzman, M., Kucaba, T., Lacy, M., Le, N., Mardis, E., Moore, B., Morris, J.M., Parsons, J.U., Prange, C., Rikitin, L., Rohlfing, T.R., Scheellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevaskis, E., Underwood, R., Wohlbmann, P., Waterston, R., Wilson, R. and Marra, M.					
TITLE	Generation and analysis of 280,000 human expressed sequence tags					
JOURNAL	Genome Res.	6 (9), 807-828 (1996)				
MEDLINE	Contact: Wilson RK					

Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: estewart@wustl.edu

WARNING: There is evidence that suggests that the 384 well parent plate of this clone contains both human and mouse derived clones. Thus, the origin of this clone is uncertain. This caution should be kept in mind should you use this clone.

This clone is available royalty-free through LiNL; contact the IMAGE Consortium (info@image.lnl.gov) for further information.
Seq primer: -0M13 fwd. from Amersham
High quality sequence stop: 331.
Location: <http://www.sanger.ac.uk/Projects/loc.html>

FEATURES	source
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High quality sequence stop: 376.	
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/db_xref="TAXON:9606"	
/clone="IMAGE:566643"	
/clone.lib="Stratagene colon (#937204)"	
/tissue_type="tumor"	
/cell_line="T84 carcinoma cell line"	
/lab_host="SOLR cells (kanamycin resistant)"	
/note="Organ: colon; Vector: phblue script SK- Site:1:	
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Oligo dT. T-84 colonic epithelial cell line. Average	
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sequence: 5'- GAAATCGGCACAGC 3' ; -3' adaptor sequence: 5'-	
CCTGAGTTTGTTCATTTTTTTTTTTT 3' ;	
114 a 121 c 76 g 142 t 1 others	
PAGE COUNT	
ORIGIN	

GenCore version 4.5
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OM nucleic - nucleic search, using sw model.

Run on: August 16, 2002, 11:49:05 ; Search time 46.68 Seconds
 (without alignments)

Title: US-09-761-579-2_COPY_1200_1472
 Perfect score: 273
 Sequence: 1 ctaccacatctactcccgcc.....agatgaatttttgatgtt 273

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Listing first 45 summaries

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 5: /cgn2_6/podata/1/1na/PCRTS_COMB.seq:/*
 6: /cgn2_6/podata/1/1na/backfiles1.seq:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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c 2	31.6	11.6	394	2	US-08-323-906A-7
c 3	31.6	11.6	2938	2	US-08-443-443B-3
c 4	31.4	11.5	1004	2	US-08-540-804-7
c 5	31.4	11.5	1004	2	US-08-118-265-7
c 6	31.4	11.5	1004	3	US-08-321-472-7
c 7	31.4	11.5	1004	4	US-08-390-599-7
c 8	30	11.0	1029	3	US-08-378-56-1
c 9	30	11.0	1029	4	US-09-369-700-1
c 10	30	11.0	1925	2	US-08-53-436A-1
c 11	30	11.0	3336	2	US-08-977-554-7
c 12	30	11.0	3336	3	US-08-325-567-7
c 13	30	11.0	3336	4	US-08-325-567-7
c 14	30	11.0	3336	4	US-09-369-700-7
c 15	30	11.0	3336	4	US-09-369-700-1
c 16	30	11.0	3336	4	US-09-491-316-5
c 17	29.4	10.8	1147	3	US-08-755-587-42
c 18	29.4	10.8	2277	1	US-08-676-567-2
c 19	29.4	10.8	2277	1	US-08-676-567-2
c 20	29.4	10.8	2277	2	US-09-098-987-2
c 21	29.4	10.8	3324	3	US-08-890-10A-33
c 22	29.4	10.8	3324	4	US-09-055-599-33
c 23	29.4	10.8	3324	4	US-09-273-565-33
c 24	29.4	10.8	3324	4	US-09-565-538-33
c 25	29	10.6	3362	3	US-09-344-19-1
c 26	28.6	10.5	1359	1	US-07-618-312A-1
c 27	28.6	10.5	1359	1	US-08-110-786A-7

ALIGNMENTS

RESULT 1
 US-08-232-463-14/C
 ; Sequence 14, Application US/08232463
 ; Patent No. 5670367
 ; GENERAL INFORMATION:
 ; APPLICANT: DORNER, F.
 ; APPLICANT: SCHEIFFLINGER, F.
 ; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 ; NUMBER OF SEQUENCES: 52
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: 1800 Diagonal Road, Suite 500
 ; CITY: Alexandria
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 22313-0299
 ; COMPUTER READABLE FORM:
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US-08/232-463
 ; FILING DATE: 26-AUG-1991
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/935,313
 ; FILING DATE:
 ; APPLICATION NUMBER: EP 91 114 300 6
 ; FILING DATE: 26-AUG-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: BEINT, Stephen A.
 ; REGISTRATION NUMBER: 29,768
 ; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703)836-9300
 ; TELEFAX: (703)683-4109
 ; TELEX: 890149
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7218 base Pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; CLONE: PZ9PT-F1s
 ; CLONE: PZ9PT-F1s
 ; US-08-232-463-14

JULT 2
 J-5-08-623 9-06A-7 Application US/08623906A
 Sequence 7, Application US/08623906A
 Patent No. 5874.217

GENERAL INFORMATION:

APPLICANT: Stevenson, Tamara

APPLICANT: Dvorak, Jan

APPLICANT: Halverson, Joy

TITLE OF INVENTION: Microsatellite Sequences for Canine Genotyping

NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:

ADDRESSEE: FLEHR, HONBACH, TEST, ALBRITTON & HERBERT

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: CA

ZIP: 94111-4187

APPLICATION NUMBER: US/08/623,906A

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Sherwood, Pamela J.

REGISTRATION NUMBER: 36,677

REFERENCE/DOCKET NUMBER: A-62282/BIR

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-781-1989

TELEFAX: 415-398-3249

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 394 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: misc_feature

LOCATION: 1..233

OTHER INFORMATION: /note- "Nucleotides 1-233 are other information: unique flanking sequence."

FEATURE:

NAME/KEY: misc_feature

LOCATION: 234..349

OTHER INFORMATION: /note- "Nucleotides 234-349 are other information: repeat sequence."

FEATURE:

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NAME/KEY: misc_feature
LOCATION: 350..394
OTHER INFORMATION: /note: "Nucleotides 350-394 are
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US-08-623-906A-7

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Best Local Similarity 55.5%; Pred. No. 0.47; Indels 0; Gaps 0;
Matches 61; Conservative 0; Mismatches 49; Gaps 0;

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Db   73 GTAT AAA AAC CCT CCCT TGT ATG TGA GAA AAT ATT GGTT ATAT CTTTGAT GAT TGG 132
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RESULT 3
US-08-343-443B-3/c
Sequence 3, Application US/08343443B
Patent No. 5068734

GENERAL INFORMATION:
APPLICANT: Aurias, Alain
APPLICANT: Delattre, Olivier
APPLICANT: Desmaze, Chantal
APPLICANT: Melot, Thomas
APPLICANT: Peter, Martine
APPLICANT: Ploogastel, Beatrice
APPLICANT: Thomas, Gilles
APPLICANT: Zucman, Jessica

TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF
                     CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL
                     TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
                     TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SRID

TITLE OF INVENTION: TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SRID

NUMBER OF SEQUENCES: 129
TITLE OF INVENTION: TRANSLOCATIONS

CORRESPONDENCE ADDRESS:
ADDRESSEE: Weiser & Associates
STREET: 210 South Fifteenth Street
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: AEDIT 1.0 DOS text editor
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/343,443B
FILING DATE: 18-NOV-1994
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/FR93/00494
FILING DATE: 19-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 92/06123
ATTORNEY/AGENT INFORMATION:
NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 989,6121P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2938 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

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Qy 182 ttgaaactccattraagtgttagattggcaggtagtaattgc 226
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 Db 491 TTCAAGACTGTGATCCINGACCATGATTAAGAGAAATGCC 535

RESULT 6
 US-08-521-872-7 Application US/08521872
 ; Sequence 7, Application US/08521872
 ; Patent No. 6015682
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, Richard A.
 ; APPLICANT: Koleske, Anthony J.
 ; APPLICANT: Chao, David M.
 ; TITLE OF INVENTION: Factors Which Modify Gene
 ; NUMBER OF SEQUENCES: 39
 ; NUMBER OF INVENTIONS: 1
 ; TITLE OF SEQUENCES: Transcription and Methods of Use Therefor
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/590,399
 FILING DATE: 26-JAN-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/540,804
 FILING DATE: 11-OCT-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/521,872
 FILING DATE: 31-AUG-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/218,265
 FILING DATE: 25-MAR-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: WHI94-03A3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-861-6240
 TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1004 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURES:
 NAME/KEY: CDS
 LOCATION: 286..648
 PUBLIC "-//IUPAC//CDNA//1.0//EN//NO//"
 DOCUMENT NUMBER: US 08/216,265
 FILING DATE: 25-MAR-1994

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 Matches 59; Conservative 0; Mismatches 46; Gaps 0;

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Query Match Score 31.4; DB 3; Length 1004;
 Best Local Similarity 56.2%; Pred. No. 0; 78;
 Matches 59; Conservative 0; Mismatches 46; Gaps 0;

Qy 182 ttgaaactccattraagtgttagattggcaggtagtaattgc 226
 Db 491 TTCAAGACTGTGATCCINGACCATGATTAAGAGAAATGCC 535

RESULT 8
 US-08-978-456-1
 ; Sequence 1, Application US/08978456
 ; Patent No. 6010881

GENERAL INFORMATION:

APPLICANT: Palmer, Leslie M.
TITLE OF INVENTION: No. 6010881el ribG
NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/978,456

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd Q
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: P50444-9
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222

SEQUENCE CHARACTERISTICS:
LENGTH: 1029 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd Q
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: P50444-9
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222

SEQUENCE CHARACTERISTICS:
LENGTH: 1029 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

US-08-978-456-1

RESULT 9
US-09-369-700-1
; Sequence 1, Application US/09369700

GENERAL INFORMATION:
APPLICANT: Palmer, Leslie M.
TITLE OF INVENTION: No. 6280735el ribG
NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:
ADDRESSEE: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/369,700
FILING DATE:
CLASSIFICATION:
PRIORITY INFORMATION:
APPLICATION NUMBER: 08/978,456
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd Q
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: P50444-9
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222

SEQUENCE CHARACTERISTICS:
LENGTH: 1029 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

US-09-369-700-1

RESULT 10
US-08-553-436A-1/c
; Sequence 1, Application US/08553436A

GENERAL INFORMATION:
PATENT NO. 5867690

APPLICANT: HESSE, Holger
TITLE OF INVENTION: DNA SEQUENCES AND PLASMIDS FOR THE PREPARATION OF SUGAR BEET WITH CHANGED SUCROSE CONCENTRATION

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:
ADDRESSEE: Ostrolenk, Faber, Gerb & Soffen
STREET: 1180 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: US
ZIP: 10036-8403

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,436A
FILING DATE: 17-NOV-1995
CLASSIFICATION: 900
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP94/01671
FILING DATE: 20-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 4317596.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/553,436A
FILING DATE: 24-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Neilman, Edward
REGISTRATION NUMBER: 24,735

```

REFERENCE/DOCKET NUMBER: P/951-117
TELECOMMUNICATION INFORMATION:
    TELEPHONE: (212) 382-0700
    TELEFAX: (212) 382-0888
    TELEX: 236925

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
    ORGANISM: Beta vulgaris
    LENGTH: 1925 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
    MOLECULE TYPE: cDNA

ORIGINAL SOURCE:
    NAME/KEY: CDS
    LOCATION: 206..174
    - 08-553-436A1

Query Match          Score 30; DB 2; Length 1925;
Best Local Similarity 53.4%; Pred. No. 2.8;
Matches 63; Conservative 0; Mismatches 55; Indels 0

Qy      55 gatccaatgttaaggcgttcaatggggggaaaggaggatccatcg
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Db      187 GAAAAAAATAAGCRAAAATATATTGGGATGACATGAGGTTGGATCTGT
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Qy      115 taccgacaaactgtttcaatgtttaagggaaaacccaggcaatgaaat
        ||| | | | | | | | | | | | | | | | | | | | | | | | | |
Db      127 ACAGAAAATGGTTCGACTATCAGAAATGTTGCTGAAACTGTTAAATGAAAG
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RESULT 11
US-08-977-11554-7
Sequence 7, Application US/0897754
; Patent No. 5891672
; GENERAL INFORMATION:
;   APPLICANT: Palmer, Leslie M.
;   APPLICANT: Fedon, Jason C.
;   APPLICANT: Warren, Richard L.
;   APPLICANT: Traini, Christopher M.
;   APPLICANT: Wang, Min
;   APPLICANT: Jaworski, Deborah D.
;   APPLICANT: Mooney, Jeffrey
;   APPLICANT: Debouck, Christine
;   APPLICANT: Zhong, Yiyi
;   APPLICANT: Black, Michael
; TITLE OF INVENTION: ribA
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Decheri, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977, 554
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/02318
; FILING DATE: 19-FEB-1997

```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Dickinson, Q. Todd
; REGISTRATION NUMBER: 28,354
; REFERENCE/DOCKET NUMBER: P50444-07
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215/994-2252
; TELEX: 215/994-2222
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3336 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-977-554-7

; Query Match          11.0%; Score 30; DB 2; Length 3336;
; Best Local Similarity 54.5%; Pred. No. 3.4;
; Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY  139 ttaaggdagaagaaacccagtcaatgaaatttcatacgaaatttcttggaaacttccattaa 198
Db  596 ttGAGATGGAAAACCCATTAAAGTATAATGTTCTAGTCCTGGAAATTCAATTTCATTTA 655

QY  199 gttgttagatttgacggatgtatgtatggcagtttgtataggc 248
Db  656 ATCAGCAAATTTCAGATGAATCACACCAAATTGGATATATCTGAA 705

RESULT 12
US-08-978-456-7
; Sequence 7, Application US/08978456
; Patent No. 6010881
; GENERAL INFORMATION:
; APPLICANT: Palmer, Leslie M.
; TITLE OF INVENTION: NO. 6010881 ribG
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESS: Dechert Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
; CITY: Philadelphia
; STATE: PA
; COUNTRY: US
; ZLIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/978,456
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dickinson, Todd Q
; REGISTRATION NUMBER: 28,354
; REFERENCE/DOCKET NUMBER: P50444-9
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-994-2252
; TELEX: 215-994-2222
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3336 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-978-456-7

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Query Match 11.0%; Score 30; DB 3; Length 3336;
 "Best Local Similarity 54.5%; Pred. No. 3.4;
 Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Y 119 ttaaggagaagaaaccaggtaatcgaaattcaatggactccat 198
 596 TTCAAGATGGAAAAACCCCTATAAAAGTATATTGCTAATGCTGGAAATTCTTTTA 655

b 199 gtgttagattggcaggtagtaatcgatcgaggttgtacattgtca 248
 656 ATCGCAATTATCAGATGATCACACCAATTGGATATACTGAA 705

RESULT 13
 US-09-225-967-7 Application US/09225967
 Patent No. 6171598

GENERAL INFORMATION:
 APPLICANT: Palmer, Leslie M.
 ATTORNEY/AGENT INFORMATION:
 APPLICANT: Fedon, Jason C.
 APPLICANT: Warren, Richard L.
 APPLICANT: Traini, Christopher M.
 APPLICANT: Wang, Min
 APPLICANT: Jaworski, Deborah D.
 APPLICANT: Mooney, Jeffrey
 APPLICANT: Debouck, Christine
 APPLICANT: Zhong, Yiyi
 APPLICANT: Black, Michael
 TITLE OF INVENTION: ribA
 NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Decher, Price & Rhoads
 STREET: 400 Bell Atlantic Tower, 1717 Arch Stree
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103-2793

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/369,700
 FILING DATE: 08/09/1998
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/978,456
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Dickinson, Todd O.
 REGISTRATION NUMBER: 28,354
 REFERENCE/DOCKET NUMBER: P50444-9
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-994-2252
 TELEX:
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3336 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 US-09-369-700-7

RESULT 14
 US-09-369-700-7 Application US/09369700
 Sequence 7, Application US/09369700
 Patent No. 6280735

GENERAL INFORMATION:
 APPLICANT: Palmer, Leslie M.
 ATTORNEY/AGENT INFORMATION:
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Decher, Price & Rhoads
 STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
 CITY: Philadelphia
 STATE: PA
 COUNTRY: US
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/369,700
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/977,554
 FILING DATE:
 APPLICATION NUMBER: PCT/US97/02318
 FILING DATE: 19-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Dickinson, Q. Todd
 REGISTRATION NUMBER: 28,354
 REFERENCE/DOCKET NUMBER: P50444-07
 TELEPHONE: 215/994-2252
 TELEX:
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3336 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 US-09-227-806-7

RESULT 15
 US-09-227-806-7 Application US/09227806
 Sequence 7, Application US/09227806
 Patent No. 6280971

GENERAL INFORMATION:
 APPLICANT: Palmer, Leslie M.
 ATTORNEY/AGENT INFORMATION:
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Palmer, Jason C.
 STREET: 3336 base pairs
 CITY: Philadelphia
 STATE: PA
 COUNTRY: US
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/977,554
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/977,554
 FILING DATE:
 APPLICATION NUMBER: PCT/US97/02318
 FILING DATE: 19-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Dickinson, Q. Todd
 REGISTRATION NUMBER: 28,354
 REFERENCE/DOCKET NUMBER: P50444-07
 TELEPHONE: 215/994-2252
 TELEX:
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3336 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 US-09-225-967-7

Query Match 11.0%; Score 30; DB 4; Length 3336;
 "Best Local Similarity 54.5%; Pred. No. 3.4;
 Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 139 ttaaggagaagaaaccaggtaatcgaaatttcataatggaaactccat 198
 596 TTCAAGATGGAAAAACCCCTATAAAAGTATATTGCTAATGCTGGAAATTCTTTTA 655

Db 199 gtgttagattggcaggtagtaatcgatcgaggttgtacattgtca 248
 656 ATCGCAATTATCAGATGATCACACCAATTGGATATACTGAA 705

```

; APPLICANT: Warren, Richard L.
; APPLICANT: Traini, Christopher M.
; APPLICANT: Wang, Min
; APPLICANT: Jaworski, Deborah D.
; APPLICANT: Mooney, Jeffrey
; APPLICANT: Debouck, Christine
; APPLICANT: Zhong, Yiyi
; APPLICANT: Black, Michael
; TITLE OF INVENTION: ribA
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechart, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/227,806
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,554
; FILING DATE:
; APPLICATION NUMBER: PCT/US97/02318
; FILING DATE: 19-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Dickinson, Q. Todd
; REGISTRATION NUMBER: 28,354
; REFERENCE/DOCKET NUMBER: P50444-07
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215/994-252
; TELEFAX: 215/994-2222
; TELEX:
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3336 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-09-227-806-7

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Query Match 11.0%; Score 30; DB 4; Length 3336;
  est Local Similarity 54.5%; Pred. No. 3 4;
  Matches 60; Conservative 0; Mismatches 50; Indels 0; Gaps 0;
  Nucleotides 198
Qy 139 ttaaggaaaaaccacgtcaatggaaattccatggaaacttccattaa 198
Db 596 TTCAAGATGAAACCCATATAAAAGTAATTGTCTAAAGTCTGGAAATTCAATTTCATTTA 655
Qy 199 gtgtgtatgttgcaggtagtaattgcacgtttgtacatttgtca 248
Db 656 ATCAGCAATTCAAGATGAACTTCACATTTGATATACTGAA 705

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Search completed: August 16, 2002, 13:41:11
 Job time: 6726 sec

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed. This score is derived by analysis of the total score distribution.

302

result No	Score	Query Match	Length	DB	ID	Description	
						Human breast cancer	gene signature
1	217	79.5	229	16	AAT121382	Human	Human
2	215.4	78.9	275	22	AB123550	breast	breast
3	210.4	77.1	311	22	AB114688	cancer	cancer
4	210.4	34.6	7516	24	AB132060	Human	immune
5	33.8	12.4	27179	22	AA534556	immune	system
6	33.6	12.3	113515	24	AB34175	DNA	encoding
7	33.2	12.2	2700	23	AA556647	Drosophila	melanogaster
8	33.2	12.2	3613	23	AB116660	Drosophila	melanogaster

PR	15-MAY-2000;	2000US-0205230.
PR	09-JUN-2000;	2000US-0211315.
PR	25-JUL-2000;	2000US-0220534.
XX		
PA	(MILLI-) MILLENNIUM PREDICTIVE MEDICINE INC.	
XX		
PI	-Lillie J., Xu Y., Wang Y., Steimann K.	
XX		
DR	WPI: 2001-451856/48.	
XX		
PT	New peptide useful as a marker for the diagnosis of breast cancer	-
XX		
PS	Claim 1; Page 1292; 3655pp; English.	
XX		
CC	The invention relates to human breast cancer expressed polynucleotides	
CC	(AAU544-AAU26789) and methods of assessing whether a patient is	
CC	afflicted with breast cancer by examining the correlation between the	
CC	expression of certain markers and the cancerous state of breast cells.	
CC	The polynucleotides and encoded polypeptides are potential markers for	
CC	detecting, diagnosing, monitoring, characterizing, treating and	
CC	potentially preventing breast cancer. The polynucleotides and encoded	
CC	polypeptides are also useful for isolating compounds with cytostatic	
CC	activity.	
XX		
SQ	Sequence 311 BP; 85 A; 60 C; 62 G; 74 T; 30 other;	
XX		
Query Match	77.1%	Score 210.4; DB 22; Length 311;
Best Local Similarity	84.8%	Pred. No. 6 4e-57;
Matches	217;	Mismatches 39; Indels 0; Caps 0;
Qy	1 ctaccacatctactccaggaccacccatgttggaaatcgctgtggccaaatcatcgatgtttcaaa	60
Db	29 ctccacatcttcctccnccgaccacccatgttggaaatcgatgtttcaaaatcgatgtttcaaa	88
Qy	61 gtttaatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcg	120
Db	89 nttaaagccnn	148
Qy	121 acatgtgttcactatgtttatggatggatggatggatggatggatggatggatggatggatggat	180
Db	149 acatgtgttcactatgtttatggatggatggatggatggatggatggatggatggatggatggat	208
Qy	181 ctggaaaccttccatataatgtgtatggatggatggatggatggatggatggatggatggatggat	240
Db	209 ctggaaaccttccatataatgtgtatggatggatggatggatggatggatggatggatggatggat	268
~v	241 ttatgtgcattaaaga 256	
v	269 tggngcgtntctaaaaa 284	
RESULT	4	
ID	ABL32060	ABL32060 standard; DNA; 7516 BP.
XX		
AC	ABL32060;	
XX		
DT	26-MAR-2002	(first entry)
XX		
DE	Human immune system associated gene SEQ ID NO: 33.	
XX		
KW	Human; immune system disease; cytosine methylation; antiasthmatic;	
KW	antiarteriosclerotic; antianaemic; cytostatic; nootropic;	
KW	neuroprotective; anti-HIV; anticonvulsant; ophthalmological;	
KW	antirheumatic; antiarthritic; antidiabetic; antipsoriatic;	
KW	antiinflammatory; cancer; eye disease; arteriosclerosis;	
KW	acute myeloid leukaemia; Alzheimer's disease; AIDS; epilepsy;	
KW	neurofibromatosis; rheumatoid arthritis; psoriasis; bowel disease;	
XX		
OS	Homo sapiens.	

PR	31 - JAN - 2000;	2000US-01179065.
PR	04 - FEB - 2000;	2000US-01180028.
PR	24 - FEB - 2000;	2000US-01184664.
PR	02 - MAR - 2000;	2000US-01186550.
PR	16 - MAR - 2000;	2000US-01189374.
PR	17 - MAR - 2000;	2000US-01190076.
PR	18 - APR - 2000;	2000US-01198123.
PR	19 - MAY - 2000;	2000US-02055155.
PR	07 - JUN - 2000;	2000US-0209467.
PR	28 - JUN - 2000;	2000US-0214886.
PR	30 - JUN - 2000;	2000US-0215135.
PR	07 - JUL - 2000;	2000US-0216647.
PR	07 - JUL - 2000;	2000US-0216680.
PR	11 - JUL - 2000;	2000US-0217487.
PR	11 - JUL - 2000;	2000US-0217496.
PR	14 - JUL - 2000;	2000US-0218290.
PR	26 - JUL - 2000;	2000US-02120963.
PR	14 - AUG - 2000;	2000US-0224518.
PR	14 - AUG - 2000;	2000US-0224519.
PR	14 - AUG - 2000;	2000US-0225213.
PR	14 - AUG - 2000;	2000US-0225214.
PR	14 - AUG - 2000;	2000US-0225266.
PR	14 - AUG - 2000;	2000US-0225267.
PR	14 - AUG - 2000;	2000US-0225270.
PR	14 - AUG - 2000;	2000US-0225447.
PR	14 - AUG - 2000;	2000US-0225457.
PR	14 - AUG - 2000;	2000US-0225558.
PR	14 - AUG - 2000;	2000US-0225759.
PR	18 - AUG - 2000;	2000US-0226279.
PR	22 - AUG - 2000;	2000US-0226681.
PR	22 - AUG - 2000;	2000US-0226688.
PR	23 - AUG - 2000;	2000US-0227182.
PR	30 - AUG - 2000;	2000US-0228924.
PR	01 - SEP - 2000;	2000US-0228287.
PR	01 - SEP - 2000;	2000US-0228343.
PR	01 - SEP - 2000;	2000US-0228344.
PR	05 - SEP - 2000;	2000US-0228345.
PR	05 - SEP - 2000;	2000US-0228509.
PR	05 - SEP - 2000;	2000US-0228513.
PR	06 - SEP - 2000;	2000US-0230437.
PR	08 - SEP - 2000;	2000US-0230438.
PR	12 - SEP - 2000;	2000US-0231242.
PR	14 - SEP - 2000;	2000US-0231243.
PR	14 - SEP - 2000;	2000US-0231244.
PR	14 - SEP - 2000;	2000US-0231413.
PR	08 - SEP - 2000;	2000US-0231414.
PR	14 - SEP - 2000;	2000US-0232080.
PR	14 - SEP - 2000;	2000US-0232081.
PR	14 - SEP - 2000;	2000US-0231968.
PR	14 - SEP - 2000;	2000US-0232397.
PR	21 - SEP - 2000;	2000US-0232398.
PR	21 - SEP - 2000;	2000US-0232399.
PR	14 - SEP - 2000;	2000US-0232400.
PR	14 - SEP - 2000;	2000US-0232401.
PR	14 - SEP - 2000;	2000US-0233063.
PR	14 - SEP - 2000;	2000US-0233064.
PR	21 - SEP - 2000;	2000US-0233065.
PR	21 - SEP - 2000;	2000US-0242223.
PR	25 - SEP - 2000;	2000US-0242497.
PR	25 - SEP - 2000;	2000US-0244998.
PR	26 - SEP - 2000;	2000US-0254484.
PR	27 - SEP - 2000;	2000US-025834.
PR	29 - SEP - 2000;	2000US-0235836.
PR	29 - SEP - 2000;	2000US-0236327.
PR	29 - SEP - 2000;	2000US-0236367.
PR	29 - SEP - 2000;	2000US-0236368.
PR	29 - SEP - 2000;	2000US-0236369.
PR	02 - OCT - 2000;	2000US-0236802.

Pt
respiratory systems
XX Disclosure: SEQ ID NO 1980; 642pp; English.
XX DISCLOSURE: The invention relates to novel nucleic acids encoding novel human foetal
CC antigens. The nucleic acids and proteins are used to prevent, treat (e.g. by gene therapy) or ameliorate a medical condition in e.g. humans, mice,
CC rabbits, goats, horses, cats, dogs, chickens or sheep. They
CC are also used in diagnosing a pathological condition or susceptibility
CC to a pathological condition. The antibodies to the antigens can also
CC be used in alleviating symptoms associated with the disorders and in
CC diagnostic immunoassays e.g. radioimmunoassays or enzyme linked
CC immunosorbent assays (ELISA). Disorders which are diagnosed or treated
CC include autoimmune diseases e.g. rheumatoid arthritis, CC hyperproliferative disorders e.g. neoplasms of the breast or liver,
CC cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders
CC e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g.
CC Alzheimer's disease, infections caused by bacteria, viruses and fungi
CC and ocular disorders e.g. corneal infection. The polypeptides can also be used
CC to aid wound healing and epithelial cell proliferation, to
CC prevent skin aging due to sunburn, to maintain organs before
CC transplantation, for supporting cell culture of primary tissues, to
CC regenerate tissues and in chemotaxis. The polypeptides can also be used
CC as a food additive or preservative to increase or decrease storage
CC capabilities, fat content, lipid, protein, carbohydrate, vitamins,
CC minerals, cofactors and other nutritional components. Numerous
CC examples of diseases and disorders treated by the nucleic acids and
CC proteins are given in the specification. The present sequence
CC is a genomic DNA fragment from a gene encoding a foetal antigen of the

PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from *Drosophila* and for elucidating cell signalling and cell-cell interactions -
 PR PT
 PR 04-MAY-1999; 99US-0132484.
 PR 05-MAY-1999; 99US-0132485.
 PR 06-MAY-1999; 99US-0132486.
 PR 07-MAY-1999; 99US-0132863.
 PR 07-MAY-1999; 99US-013256.
 PR 11-MAY-1999; 99US-013218.
 PR 14-MAY-1999; 99US-013219.
 PR 14-MAY-1999; 99US-0134221.
 PR 14-MAY-1999; 99US-0134370.
 PR 14-MAY-1999; 99US-0134768.
 PR 18-MAY-1999; 99US-0134941.
 PR 19-MAY-1999; 99US-0135124.
 PR 20-MAY-1999; 99US-0135333.
 PR 21-MAY-1999; 99US-0135629.
 PR 24-MAY-1999; 99US-0136021.
 PR 25-MAY-1999; 99US-0136332.
 PR 26-MAY-1999; 99US-0136722.
 PR 01-JUN-1999; 99US-0137222.
 PR 03-JUN-1999; 99US-0137528.
 PR 03-JUN-1999; 99US-0137502.
 PR 04-JUN-1999; 99US-0137724.
 PR 07-JUN-1999; 99US-0137724.
 PR 08-JUN-1999; 99US-0138094.
 PR 10-JUN-1999; 99US-0138540.
 PR 10-JUN-1999; 99US-0138847.
 PR 14-JUN-1999; 99US-0139119.
 PR 16-JUN-1999; 99US-0139452.
 PR 16-JUN-1999; 99US-0139492.
 PR 17-JUN-1999; 99US-0139454.
 PR 18-JUN-1999; 99US-0139455.
 PR 18-JUN-1999; 99US-0139456.
 PR 18-JUN-1999; 99US-0139457.
 PR 18-JUN-1999; 99US-0139458.
 PR 18-JUN-1999; 99US-0139459.
 PR 18-JUN-1999; 99US-0139460.
 PR 18-JUN-1999; 99US-0139461.
 PR 18-JUN-1999; 99US-0139462.
 PR 18-JUN-1999; 99US-0139463.
 PR 18-JUN-1999; 99US-0139750.
 PR 18-JUN-1999; 99US-0139763.
 PR 21-JUN-1999; 99US-0139899.
 PR 22-JUN-1999; 99US-0140353.
 PR 23-JUN-1999; 99US-014054.
 PR 24-JUN-1999; 99US-014095.
 PR 28-JUN-1999; 99US-0140951.
 PR 29-JUN-1999; 99US-0141287.
 PR 30-JUN-1999; 99US-0141842.
 PR 01-JUL-1999; 99US-0142154.
 PR 02-JUL-1999; 99US-0142055.
 PR 06-JUL-1999; 99US-0142390.
 PR 08-JUL-1999; 99US-0142803.
 PR 09-JUL-1999; 99US-0142940.
 PR 12-JUL-1999; 99US-0142977.
 PR 13-JUL-1999; 99US-0143542.
 PR 14-JUL-1999; 99US-0143624.
 PR 15-JUL-1999; 99US-0144005.
 PR 16-JUL-1999; 99US-0144085.
 PR 16-JUL-1999; 99US-0144335.
 PR 19-JUL-1999; 99US-0144352.
 PR 20-JUL-1999; 99US-0144632.
 PR 20-JUL-1999; 99US-0144884.
 PR 21-JUL-1999; 99US-0144814.
 PR 21-JUL-1999; 99US-0145086.
 PR 21-JUL-1999; 99US-0145088.

Query Match 1.2%; Score 33.2; DB 23; Length 4356;
 Best Local Similarity 64.1%; Pred. No. 2.9;
 Matches 50; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 137 ggtaaggaaaaacccgttaatggaaattcaatggaaacttgcatt 196
 Db 1192 ggataaaacttaacaacaaactaaatggaaatccaaagaaatccaaatggaaacttgcatt 1251

QY 197 aagtgttagattggaca 214
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Sequence 4356 BP; 1165 A; 942 C; 1021 G; 1228 T; 0 other;

RESULT 10
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 AC AAC48192;
 XX DT 18-OCT-2000 (first entry)
 XX DE Arabidopsis thaliana DNA fragment SEQ ID NO: 56594.
 XX KW Hybridisation assay; genetic mapping; gene expression control;
 KW Protein identification; signal transduction pathway;
 KW metabolic pathway; promoter; termination sequence; ss .
 X Arabidopsis thaliana.
 A EP1033405-A2.
 PN XX 06-SEP-2000.
 PD XX 25-FEB-2000; 2000EP-0301439.
 PF XX 25-FEB-1999; 99US-0121825.
 PR XX 05-MAR-1999; 99US-0123548.
 PR 09-MAR-1999; 99US-0123180.
 PR 23-MAR-1999; 99US-0125788.
 PR 25-MAR-1999; 99US-0162624.
 PR 29-MAR-1999; 99US-01676785.
 PR 01-APR-1999; 99US-017462.
 PR 06-APR-1999; 99US-018234.
 PR 08-APR-1999; 99US-0128714.
 PR 16-APR-1999; 99US-0129845.
 PR 19-APR-1999; 99US-0130077.
 PR 21-APR-1999; 99US-0130449.
 PR 23-APR-1999; 99US-0130510.
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 PR 28-APR-1999; 99US-0131449.
 PR 30-APR-1999; 99US-0131048.
 PR 30-APR-1999; 99US-0132407.

PR	21-OCT-1999;	99US-0160768.
R	22-JUL-1999;	99US-0145087.
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R	05-AUG-1999;	99US-0147192.
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R	07-OCT-1999;	99US-0158029.
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R	14-OCT-1999;	99US-0159429.
R	14-OCT-1999;	99US-0159330.
R	14-OCT-1999;	99US-0159331.
R	14-OCT-1999;	99US-0159337.
R	14-OCT-1999;	99US-015934.
R	18-OCT-1999;	99US-0159384.
R	21-OCT-1999;	99US-0160767.
R	21-OCT-1999;	99US-0160768.

Claim 1; SEQ ID NO 1867; 32pp + Sequence Listing; German:

The present invention provides a number of human immune system associated genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases such as retinopathy, neovascular glaucoma and macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid leukaemia, Alzheimer's disease, AIDS, epilepsy, neurofibromatosis, rheumatoid arthritis, psoriasis and inflammatory/ulcerative bowel disease. The present sequence is a gene of the invention.

region comprises: (a) a repeated tetranucleotide motif consisting of AAA or TTT and a fourth nucleotide; or (b) a repeated motif selected from AAGG, GAAA, AAAT, TTTA, AACG, GAAT, GAAAAG, TGC and TTC. The amplification product is size-fractionated to provide a measure of the size of the chromosomal DNA between the primers, where the size of the amplification product is polymorphic for the locus and provides a genotype for the canine. The combined information from multiple loci provides a means of distinguishing individuals, even among inbred dog breeds, for parentage testing, forensic testing and analysis of individual relatedness.

xx Sequence 394 BP; 96 A; 57 C; 47 G; 194 T; 0 other;

Search completed: August 16, 2002, 13:45:32
Job time: 4208 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run On: August 16, 2002, 11:46:41; Search time 1853.82 Seconds
(without alignments)
3081.715 Million cell updates/sec

Title: US-09-761-579-2_COPY_1200_1472
Sequence: 1 ctaccacatctactccacg.....agatgttatttttgtgttt 273

Perfect score: 273
scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1797656 seqs, 10463268293 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

database :	GenEmbl:	1: gb_ba:*	2: gb_hcp:*	3: gb_hcv:*	4: gb_hcv:*	5: gb_ov:*	6: gb_pat:*	7: gb_ph:*	8: gb_pi:*	9: gb_pr:*	10: gb_ro:*	11: gb_scs:*	12: gb_sy:*	13: gb_un:*	14: gb_vl:*	15: en_ba:*	16: en_fun:*	17: en_hum:*	18: en_in:*	19: en_mu:*	20: em_om:*	21: em_or:*	22: em_ov:*	23: em_pat:*	24: em_ph:*	25: em_pi:*	26: em_ro:*	27: em_sts:*	28: em_un:*	29: em_vl:*	30: em_htg_hum:*	31: em_htg_inv:*	32: em_htg_other:*	33: em_htg_inv:*
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
		367	1410	1419	1446	1472	1472	1472	1472	1472	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	1492	
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ALIGNMENTS

RESULT	1	HUMPDHA12	367 bp	DNA	linear	PRI 08-JAN-1995
LOCUS		HUMAN nuclear-encoded mitochondrial pyruvate dehydrogenase E1 alpha (pdhe1-a) subunit gene, exon 11.				
DEFINITION						
ACCESSION	M27257	J02734	M27166			
VERSION	M27257.1	GI:488487				
KEYWORDS						
ORGANISM	Homo sapiens					
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.						
SEGMENT	12 of 12					
SOURCE	Human fetal liver, cDNA to mRNA, clones cPDH[3,4a].					
REFERENCE	1 (bases 9 to 367)					
AUTHORS	Dahl, H.H., Hunt, S.M., Hutchison, W.M. and Brown, G.K.					
TITLE	The human pyruvate dehydrogenase complex. Isolation of cDNA clones for the E1 alpha subunit, sequence analysis, and characterization of the mRNA					
JOURNAL	J. Biol. Chem. 262 (15), 7398-7403 (1987)					
MEDLINE	8722349					
REFERENCE	2 (bases 1 to 14; 168 to 173)					

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	Length DB ID	Description
1	273	100.0	367	HUMPDHA12


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* 153919 154018: gap of unknown length
* 164612: contig of 10624 bp in length
* 164613 164712: gap of unknown length
* 164713 173056: contig of 8314 bp in length
* 173057 182586: gap of unknown length
* 173157 182586: contig of 9430 bp in length
* 182587 186866: gap of unknown length
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TITLE
 Molecular genetic analysis of a female patient with pyruvate dehydrogenase deficiency: detection of a new mutation and differential expression of mutant gene product in cultured cells
J. Inherit. Metab. Dis. 18 (5), 547-557 (1995)
JOURNAL
MEDLINE
REMARK
 GenBank staff at the National Library of Medicine created this entry [NCBI glibbs 176881] from the original journal article.
 This sequence comes from Fig. 4.
COMMENT
 Map location: xp22.1-22.2.
 Authors note 18 bp insertion at nt 1078.
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CDS
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 Best Local Similarity 100.0%; Pred. No. 6.0e-15;
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 Db 60 CTACACATCTACTCCGGACCCACCTTTGAGNTTGTGGCAATCAGTGATCAA 119
 Qy 61 gttaatgtcaagttcgttaatggggatggaaa 90
 Db 60 GTTTAATGTCAGTCAGTTAAGGGAGAA 149
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